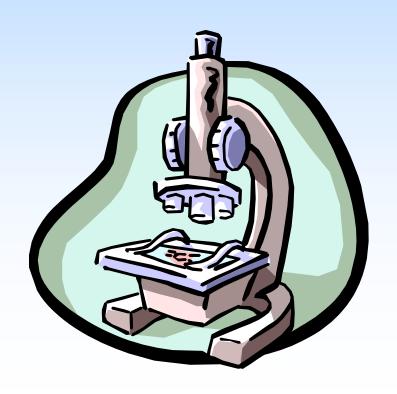
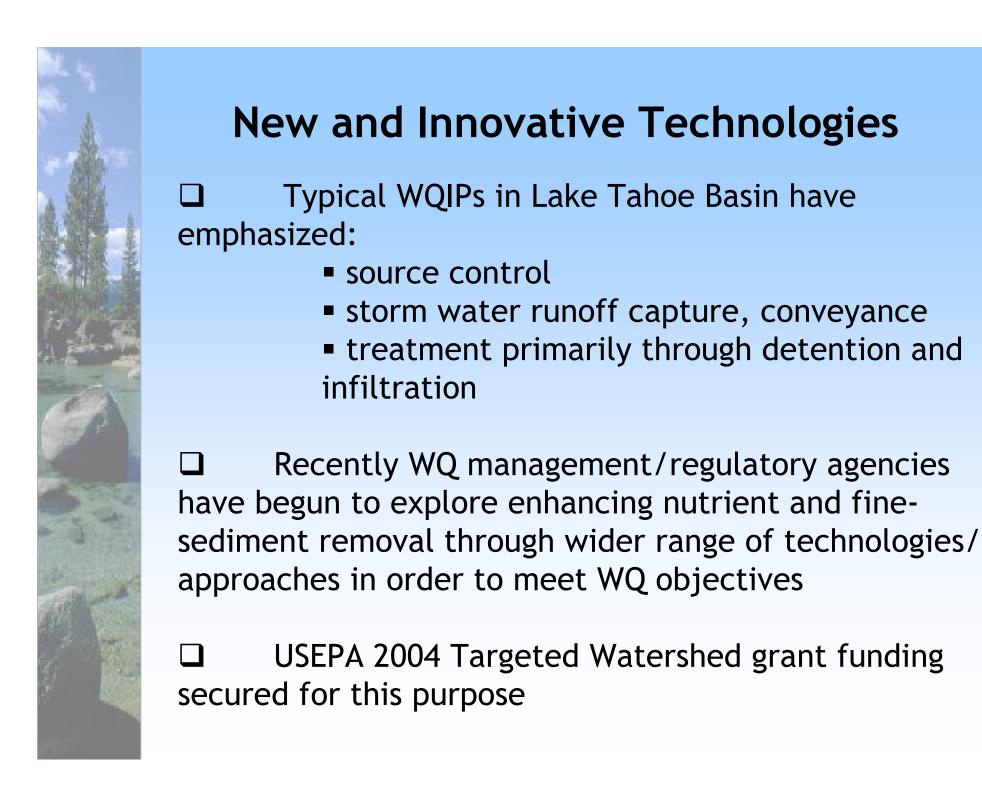


Lake Tahoe TMDL Implementation Tool Box

New and Innovative Technologies

Lake Tahoe TMDL Symposium Friday, Dec. 10, 2004







New and Innovative Technologies

- Project goal: explore application of alternate pollutant reduction approaches for each major source category in the Lake Tahoe basin
- ☐ Project objectives:
 - identify new or innovative technologies
 - guidance on feasibility of implementation
 - evaluate opportunities for application
 - quantify effectiveness or load reduction capacity of opportunities
 - develop methodologies to estimate load reductions
 - evaluate maintenance requirements



Technologies to be Evaluated (Minimal)

- Advanced storm water treatment:
 - Flocculation
 - Filtration
 - Chemically/biologically enhanced
 - Centralized treatment facilities

- Methods that focus on reducing runoff volume (hydrologic control)
 - Low Impact Development techniques
 - Water reuse
 - Enhanced evapotranspiration



Technologies to be Evaluated (Minimal)

- ☐ Airborne pollutants/sources:
 - motor vehicle exhaust
 - roadway dust entrainment
 - wood stove emissions
 - prescribed burn controls
- Stream channel erosion:
 - bank stabilization
 - stream rehabilitation
 - stream restoration



New and Innovative Technologies

- Information will be utilized in development of Load Reduction Matrix (matrices)
- ☐ Stakeholder working group, peer review
- ☐ Timeline